

633nm Picosecond Tunable Fiber Delay Coil



● Product Description

It takes attention, precision and skill to make the HP-SDTDC-633's hand-made compact and low-loss fiber coils. Our F-TDC compact time delay coils feature a proprietary manufacturing process that provides extremely low insertion loss while meeting your budget and small space requirements.

● Part Number

HP-SDTDC-W633-PA

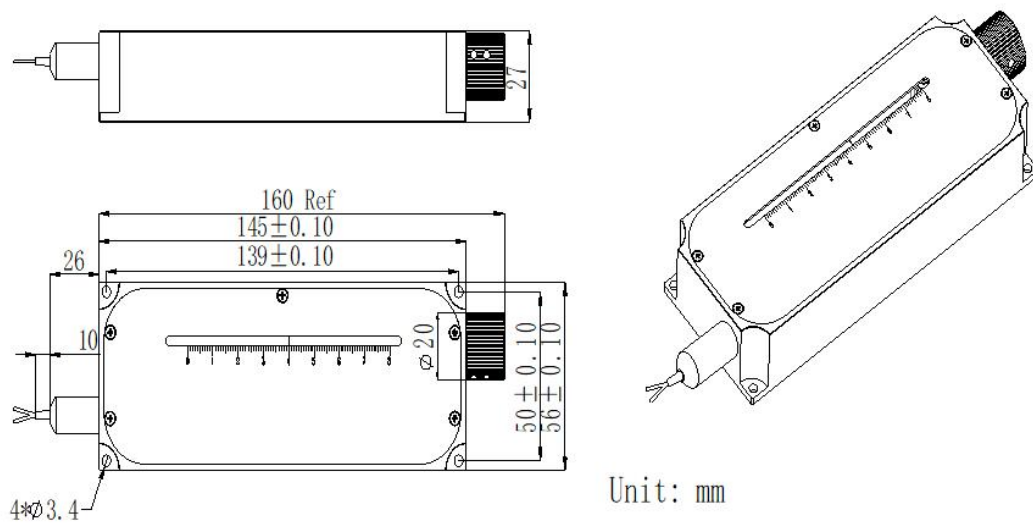
● Product features

Compact size、 Low insertion loss、 Choose your own delay length、 Rugged construction、 Easy to use

● Application area

Optical buffers for optical networks 、 Gyroscopes, sensors and signal processing、 Radar and instrument calibration、 Laser spectroscopy、 Time delays for optoelectronic oscillators、 Nonlinear fiber loops、 Fiber network testing and analysis 、 Optical packet switching, buffering, routing and input/output synchronization

Dimensional Drawing



Axis Alignment for PM Fiber: Both Axis Working

Parameter

parameter	Unit	Indicator
Central wavelength	nm	633
Fiber delay range	ps	0-530
Zero delay offset	ps	170
Reading scale resolution	mm	1
Maximum insertion loss @ λ c; +0.5dB connector loss	dB	1.7

Maximum loss vibration	dB	0.5
Minimum extinction ratio (PMF); -2dB connector loss	dB	18
Minimum return loss (Port 1/Port 2); -5dB connector loss	dB	45/45
Connector type	FC/APC	
Fiber type	900um loose tube Nufern PM630-HP fiber	
Fiber length	m	1
Maximum optical power (CW)	mW	300
Operating temperature	°C	0 to+40 (No Condensing)
Storage temperature	°C	-40 to +85 (No Condensing)